1018 - IP65 INSTRUCTION MANUAL

INTRODUCTION:

The entire staff of Meteor would like to thank you for selecting the **1018** (IP-65) LUMENATOR as your fixture of choice. We have expended that extra effort to make sure you are more then pleased and satisfied with your purchase.

Please check and make notice of any external cosmetic box damage caused by transportation. Notify your dealer – he in turn will notify us. If there is any damage – either inside the box or outside the box – DO NOT INSTALL THE DEVICE. There is a possibility that something may have come undone or unplugged.

Unpack the Lumenator. Inside the box – you should find:
- Protective packing
- The Lumenator
- One power cable
- One XLR cable
- Instruction manual

DESCRIPTION:
FEATURES:
- **16** BIT DIMMING
- OVER TEMPERATURE Protection
- Can set DMX Address via Controller
- 4, 6 or 9 DMX channels selectable for numerous applications.
- Automatic Identify Master Signal and change to Slave mode.
- Step-less RGBW COLOR mixing
- Color CALIBRATE function
- Equipped with 18 - 10w LEDS (4 in 1)
- Switch-mode power supply – 90v-240v AC.

SAFETY INSTRUCTIONS:

This lighting fixture has left our factory in perfect condition. In order to maintain this condition and to ensure safe operation, it is absolutely necessary for the user to follow the instructions and caution notes written in this user manual.
This fixture falls under protection-class 1. Therefore it is essential that the device should be grounded.

A qualified person must carry out the Electrical connection (to power). If the external "flexible" cable or power cord of this fixture is damaged, it HAS to be and will be replaced by the manufacturer or service agent or a similarly qualified person in order to avoid hazard or electrical shock.

Make sure that the available voltage is NOT higher than stated at the end of this instruction guide / manual.

Make sure the power cord is NEVER "crimped" or damaged by sharp edges. If it is – replacing a cable must be done by an authorized dealer trained in electrical repair.

Always disconnect from electrical MAINS, when the **1018** Lumenator is NOT in use or before cleaning it. Definitely before cleaning it.
You could wind up getting a severe electrical shock.

Only handle power cord by the PLUG.
Never PULL out the plug by tugging on the power cord.
Very strong possibility of getting serious electrical shock.

NEVER LOOK DIRECTLY INTO THE LIGHT FIXTURE WHILE IT IS POWERED UP – SENSITIVE PEOPLE MAY SUFFER FROM EPILECTIC SHOCK (far fetched) BUT IT COULD HAPPEN.

IMPORTANT:
Damage caused by the disregard of this user manual IS NOT SUBJECT TO WARRANTY. The **DEALER** is not and will not ACCEPT LIABILITY for any resulting defects or problems caused by not following instructions. IGNORANCE is NOT A VALID WARRANTY ISSUE.

*** PLEASE MAKE NOTE:
The power cord has been deliberately left OFF as most IP65 FIXTURES ARE USED OUTSIDE and are usually hardwired into APPROVED OUTSIDE WEATHER-PROOF JUNCTION BOXES.

Do not plug into standard unprotected outlet, except for test purposes.

DMX-512 Control Connection

Product has a DMX Input fitted with 3-pin XLR outdoor connectors. Screened cables in compliance with EIA-485 specifications and the following characteristics MUST be used for connections.

- 2 Conductors plus screen
- 120 Ohm impedance
- Low capacitance
- Max. transmission rate 250 kBaud

DMX-512 Connection with DMX Terminator

For installations where the DMX cable has to run a long distance or is in an electrically "noisy" environment, such as a Dance Venue, it is recommended to use a DMX Terminator. This helps in preventing "ghosting signal" corruption of the original signal by electrical noise. The DMX Terminator is simply an XLR plug with a **120 ohm resister** between pins 2 and 3, which is plugged into the output XLR socket of the last fixture in the chain.

DISPLAY Menu:

Menu 1		Menu 2 (conf. Menu 1)
Axxx (address)		DMX Address Setting
SPed (Auto Speed)		Auto Speed setting (00 is fastest)
Auto Mode		at 0 - Auto Mode 0 - fade mode
		at 1 - Auto Mode 1: 3 color change mode
		at 2 - Auto Mode 2: 7 color change mode
Audi (audio mode)		Ad 0 Audio Mode 0: Fade mode
		Ad 1 Audio Mode 1: 3 color change mode
		Ad 2 Audio Mode 2: 7 color change mode
		Ad 3 Audio mode 3: strobe with 7 color
CoLr (show color mode)		R for Red, G for Green, B for Blue
Hr (Power on time)		Xxxx Time in hour for Power on.
CCAL (color Calibrate)	r	Red Calibrate Mode
	g	Green Calibrate Mode
	b	Blue Calibrate Mode
tEp (temperature) tEp (temperature)		xxxC Temperature in C
		xxx Temperature Calibrate
	Chan	CH 4: 4 Channel Mode
	Chan	CH 6: 6 Channel Mode
	Chan	CH 9: 9 Channel Mode

(Continued)	Chan	
CnFg (parameter config)		CH 7: 7 Channel Mode
	diCS	Inst: Instant Mode: Light on / off instant
		DELA: Delay Mode: Light on / light off delay for 5 Seconds
	LoCc	Loc Active self lock keyboard - no operation on the button for 30 seconds
		Unloc: Deactivate self lock keyboard if NO operation on the button for 30 seconds
	StAt	HoLd: Hold DMX status when no DMX signal
		oFF: Light OFF when no DMX signal

MAIN FUNCTIONS:

Axxx: Current DMX Address

A – Setting DMX Address using Buttons

1 – Press Enter Button when the display shows **Axxx** Menu, then adjust the DMX address by pressing {UP} or {DOWN} to get to desired Base address channel number.

PRESS {ENTER} to confirm or {ESC} return to Menu

B – Setting DMX address by Controller

1 – Set the DMX Value of Channel **5** to 10-15, Channel **6** to 20-26, Channel **7** to 30-36, Channel **8** to 40-46. Then the fixtures connected to the controller will enter the address setting mode.

2 - Set the DMX value of Channel 1 from 0-59, then you will see the first number of the address change (Channel 1 value) 10. For example: when you set the value of channel 1 to 20, the first DMX address number will be 2 (20/10=2)

3 – Set the DMX value of Channel 2 from 0-99, then you will see the first number of the address change (Channel 2 value)/10.

For example: when you set the value of channel 2 to 30, the first DMX address number will be 2(30/10=3)

4 - Set the DMX value of Channel 3 from 0-99, then you will see the first number of the address change (Channel 3 value) 10.

For example: when you set the value of channel 1 to 40, the first DMX address number will be 3(40/10=4)

5 - Set the DMX value of Channel 4 from 255, then you will

5 - Set the DMX value of Channel 4 from 255, then you will see SAVE the DMX address set by the controller.

CAUTION: **It won't save the address if the ADDRESS number is OVER 512**

      6 – Setting the value of Channel 5-8 out of the value range shown on the step 1 will cause the device will exit the setting address mode.

SPEd : Auto Run Mode:

Setting Auto Run Mode

      1 – Press **ENTER** button when **Auto** Menu appears, then adjust the mode by pressing UP or DOWN button.

Setting Audio Run Mode

      1 – Press **ENTER** button when **Audi** Menu appears, then adjust the mode by pressing UP or DOWN button.

CoLr: Show Color Mode

      1 – Press **ENTER** button when **CoLr** Menu appears, then adjust the mode by pressing UP or DOWN button.

HR – Show the time Power ON

      A – Show Time:

Press **ENTER** Button when show Hr Menu appears, then you will see the run time is on. When the time is over 9999 hours, then the first number will be a hexi-decimal – for example – A999 means 10999 hours, B999 means 11999 hours, C999 means 1299 hours. Once the first number is over 1599, the first number will be null.

      B – Clear the Time:

Press **ENTER** Button when show Hr Menu appears, and then press up and down button AT the same time for 3 seconds. Then the time will clear to 0000 simultaneously

CCAL – Color Calibrate

Press **ENTER** button when menu reads CCAL. Then choose the **r,g,b** calibrate by pressing (UP) or (DOWN) button. Press **ENTER** to enter individual colors. Adjust brightness of the color you choose pressing (UP) or (DOWN) button. Press **ENTER** to confirm or ESC to return to main menu

tEp -   **Temperature Information**

Press **ENTER** button when menu reads **tEp**. You will see the temperature of the LED in unit. If there is no temperature sensor, it will read **err**.

CAUTION:

The brightness WILL decrease gradually when the LED temperature is over 120F and if it is over 150F – unit will **BLACK OUT – protection.** SAVE the DMX address set by the controller.

CnFg: PARAMETER CONFIG

      Press **ENTER** button when menu reads **CnFg**. Then choose the parameters by pressing UP or DOWN button then press {ENTER}.

CHAn: CHOOSE THE CHANNEL MODE:

      Choose the Channel mode by pressing {UP} or {DOWN} button then press {ENTER} to confirm. Ch3 is 3 channel mode, Ch5 is 5 channel mode, CH9 is 9 channel mode**.**

 DiCS: CHOOSE INSTANT or DELAY Mode.

TECHNICAL SPECIFICATIONS:

WATER PROOF **– IP65 RATED**
POWER CONSUMPTION – 120 W
IP65V POWER IN / IP65 PASS CONNECTOR
IP65 3-PIN DMX IN CABLE/ IP65 DMX 3PIN OUT
POWER SUPPLY- 100V – 240V AC 50Hz / 60 Hz
NET WEIGHT: 9lbs
SHIPPING WEIGHT: 11lbs

METEOR LUMENATOR
DMX PROFILE:

4 CH.	6 CH.	9 CH.	Values	Functions
	1	1	0 - 255	Master Dimmer (0 - 100%
1	2	2	0 - 255	Red (0 - 100%)
2	3	3	0 - 255	Green (0 - 100%)
3	4	4	0 - 255	Blue (0 - 100%)
4	5	5	0 – 255	White
	6	6	8 - 255	strobe (slow to fast
		7	0 - 9	Null
		7	10 – 19	Red
			20 – 29	Green
			30 - 39	Blue
			40 - 49	White
			50 - 59	Yellow
			60 - 69	Magenta
			70 - 79	Cyan
			80 - 89	RGB
			90 - 95	ALL ON
			96 - 127	Macro 1
			128 - 159	Macro 2
			160 - 191	Macro 3
			192 – 255	Macro 4
		8	0 - 255	Speed of Macros (slow to fast)
		9	0 – 255	Speed of Dimmer (fast to slow)

CLEANING and MAINTENANCE:
We recommend frequent cleaning of this fixture.
Please use a soft lint-free and moistened cloth.
NEVER USE ALCOHOL or any KIND OF SOLVENTS.

CAUTION: ALWAYS DISCONNECT POWER FROM THE FIXTURE BEFORE ANY TYPE OF CLEANING OR MAINTENANCE IS PERFORMED.

- There are no serviceable parts inside this unit.
- Maintenance and service operations should be carried out by only authorized dealers or qualified service technicians.
- If you need any spare parts – **PLEASE** use only AUTHORIZED / factory specified **GENUINE REPLACEMENT PARTS**.

INSTALLATION SAFETY:
This fixture must be installed at a vibration-free, Oscillation-free and Fire-resistant free location. Although the unit is rated as IP65 – that DOES **NOT** MEAN IT CAN BE SUBMERGED or USED UNDERWATER.